

Fig 1

Fig 2

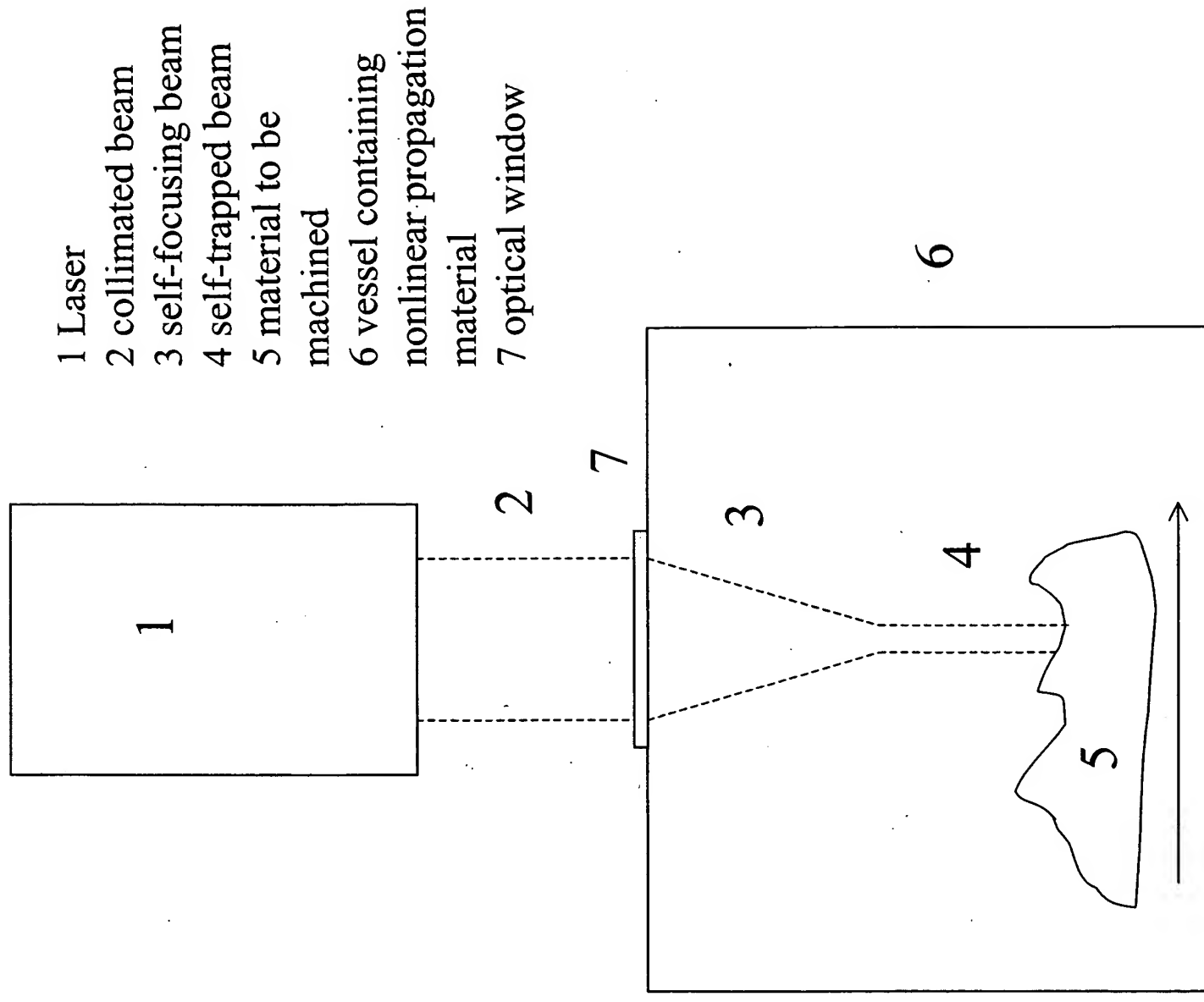


Fig 3

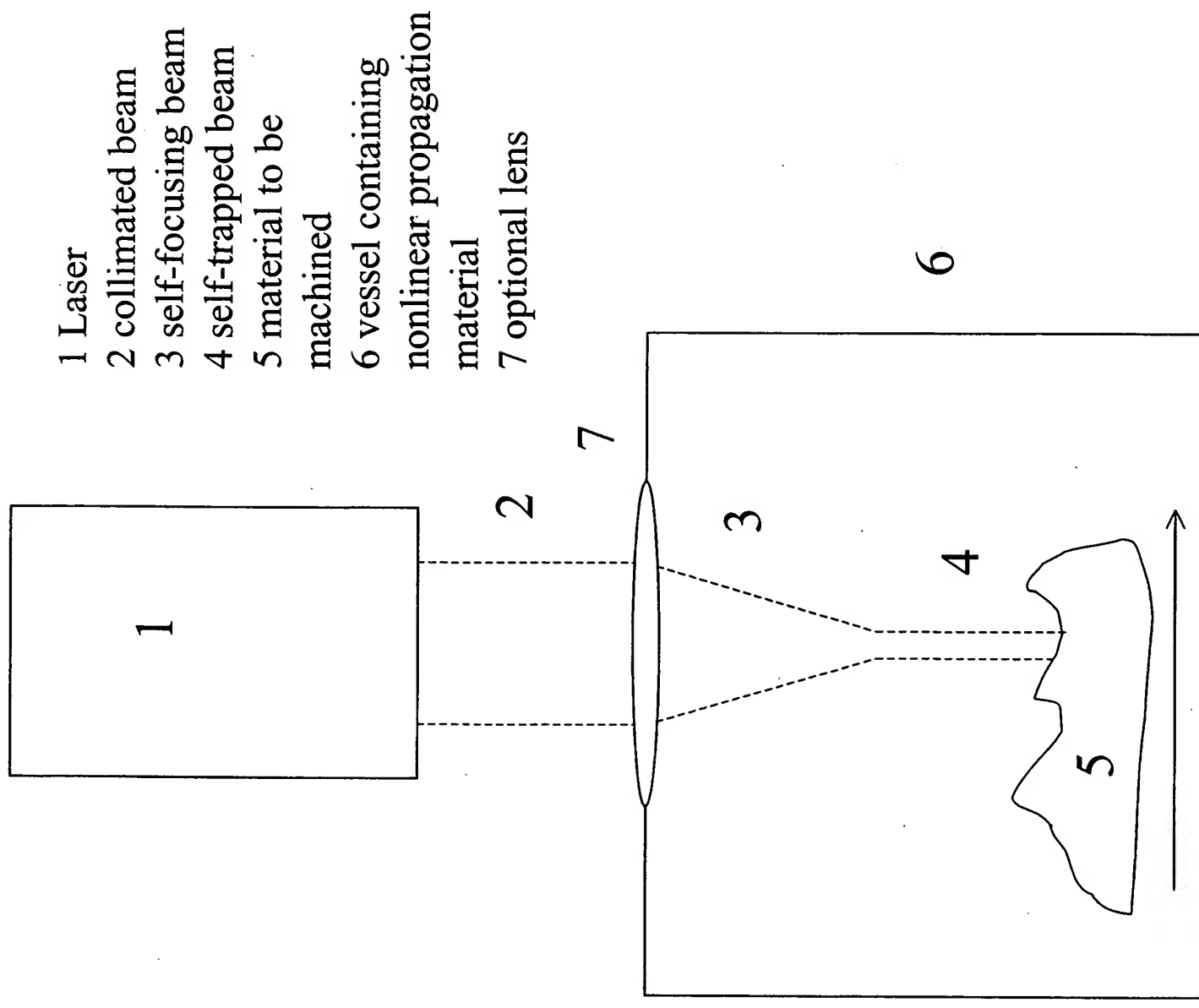
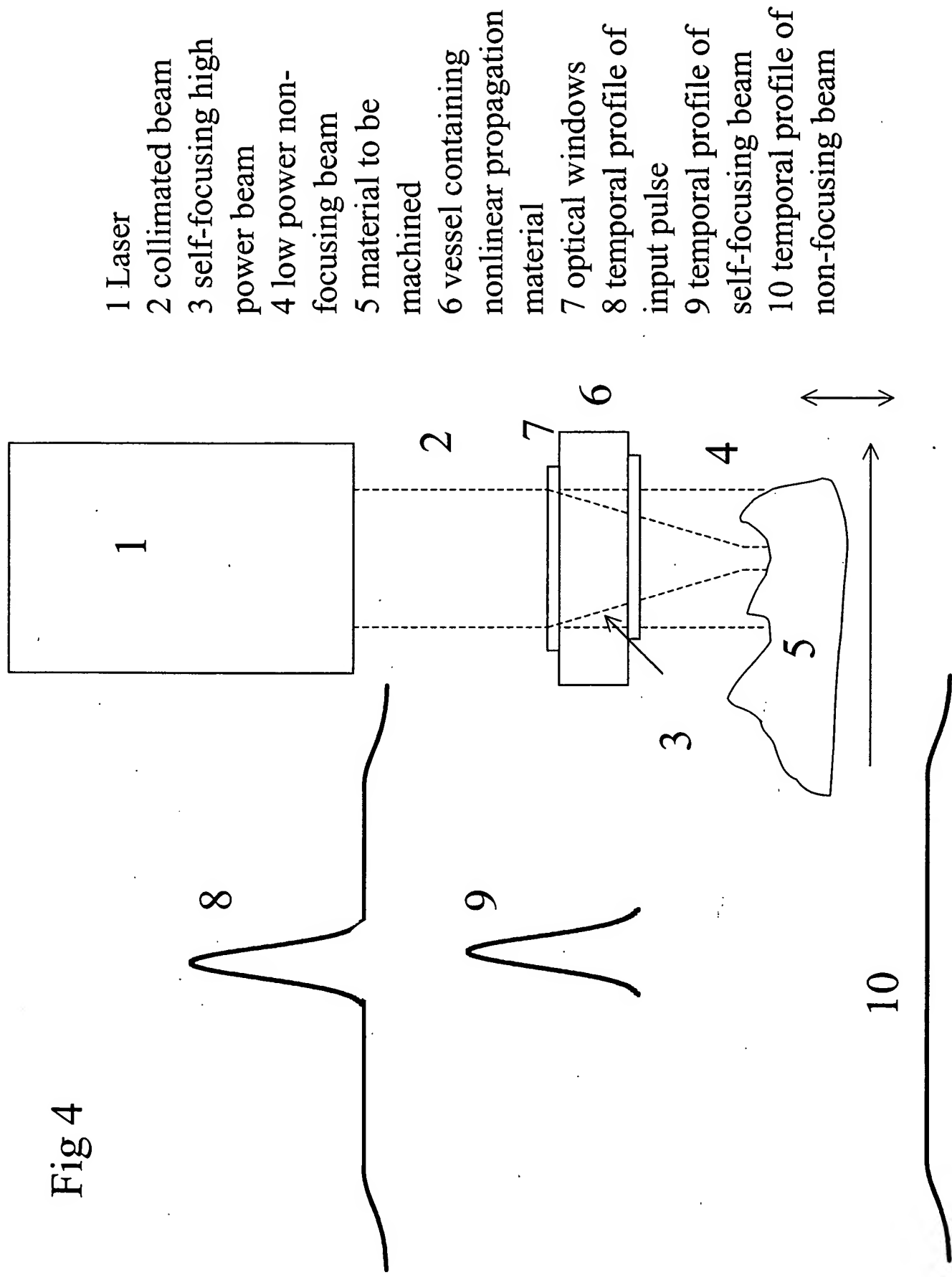


Fig 4



# Fig 5

- 1 Laser
- 2 collimated beam
- 3 self-focusing beam
- 4 focusing beam
- 5 material to be machined
- 6 vessel containing nonlinear propagation material
- 7 optical windows
- 8 temporal profile of input pulse
- 9 beam diameter on material to be machined

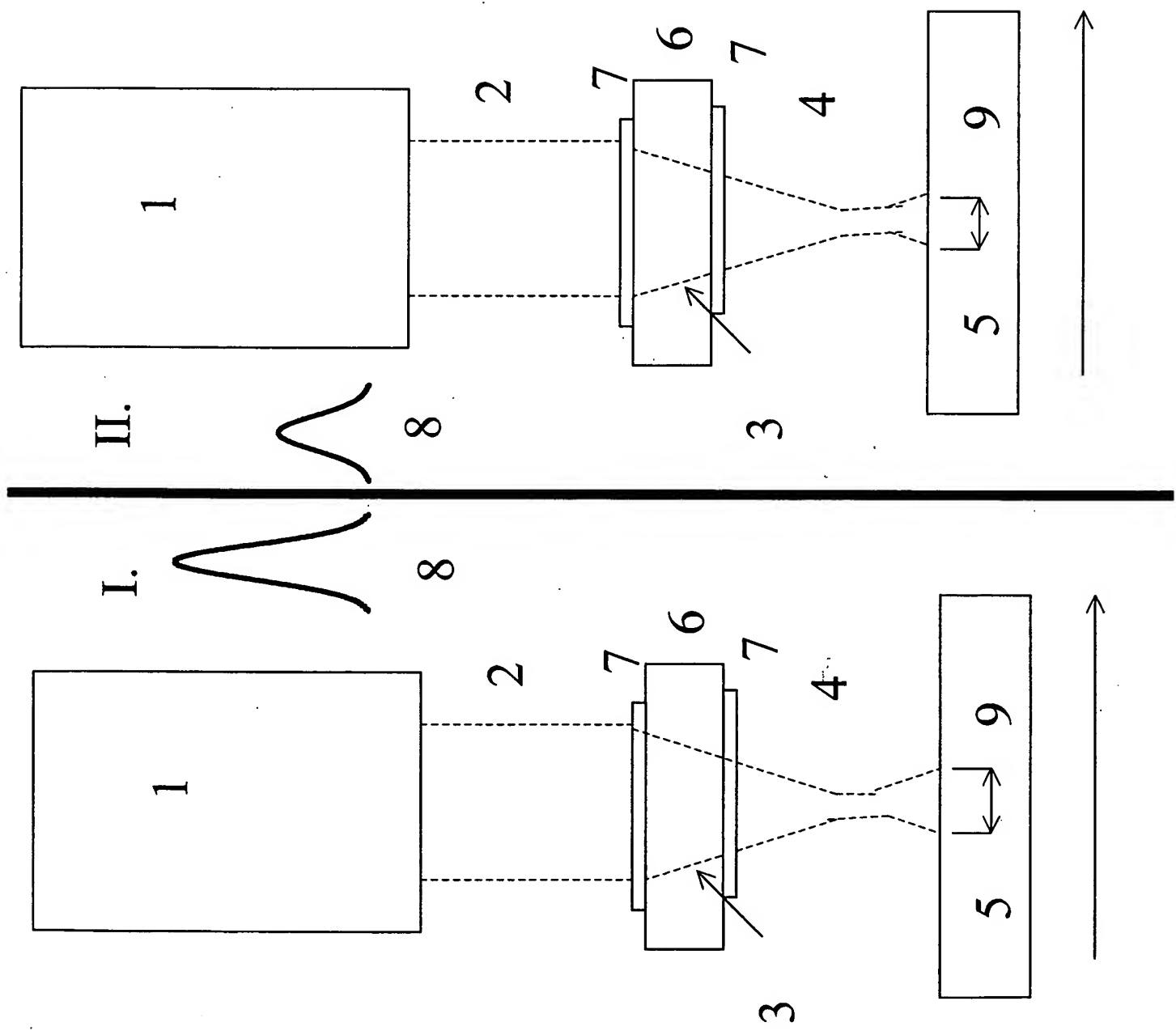


Fig 6

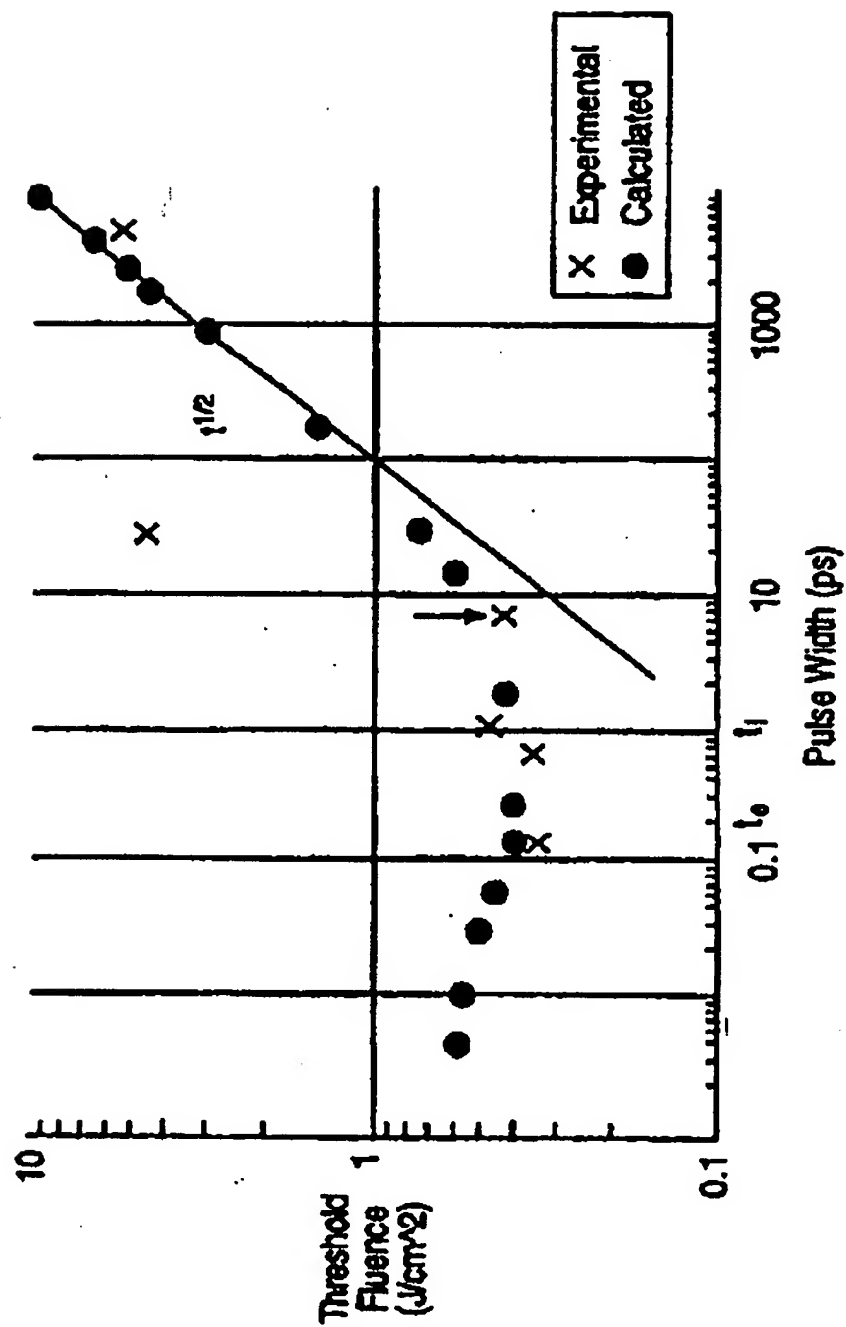


Fig 7

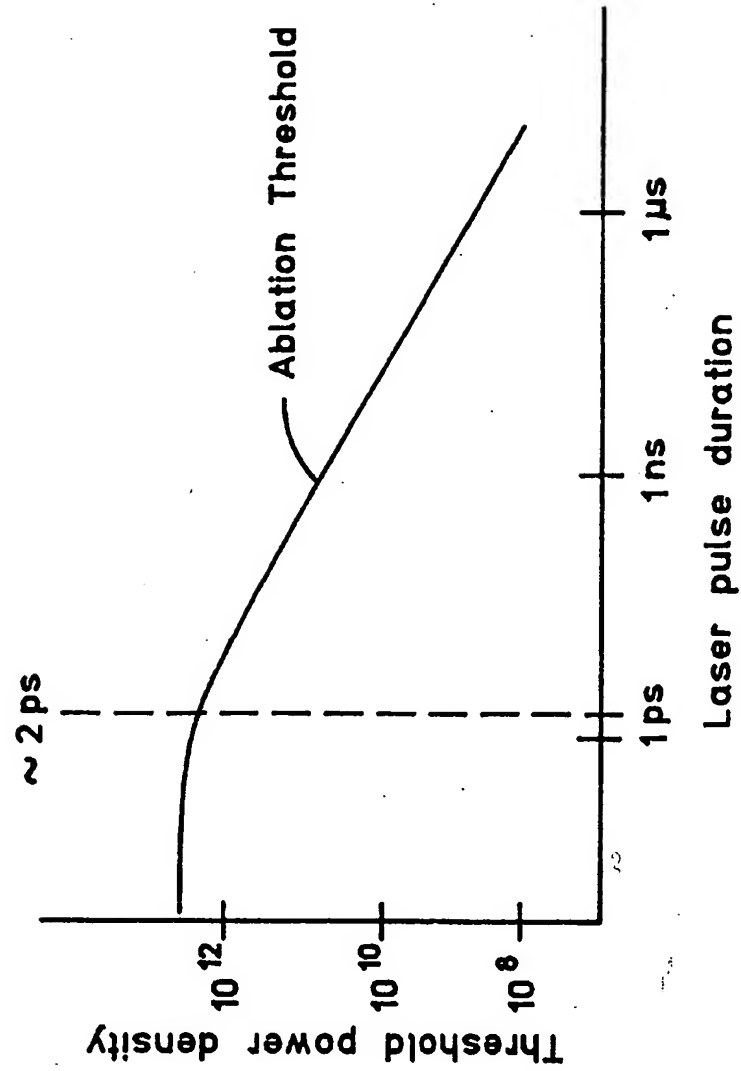


Fig 8

Data from Soileau's paper at 1.05 microns, UofM data at  
0.8 microns

